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491

**(THE) JOURNAL**  
**OF THE**  
**IRON AND STEEL INSTITUTE**

**SUBJECT AND NAME INDEX**

**TO VOLS. LXXXIII-CIV**

**1911-1921**

**AND TO**

**VOLS. III-X OF THE**  
**CARNEGIE SCHOLARSHIP MEMOIRS**

**EDITED BY**

**GEORGE C. LLOYD**  
**SECRETARY**

183100  
17.8.23.

**PUBLISHED AT THE OFFICES OF THE INSTITUTE**  
**28, VICTORIA STREET, LONDON, S.W. 1**

**AND BY**

**E. & F. N. SPON, LIMITED, 57, HAYMARKET**

**AND**

**SPON & CHAMBERLAIN, 123 LIBERTY STREET, NEW YORK**

**1923**



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Index  
v. 83-104

## PREFACE

THIS volume contains an Index to the whole of the volumes of the *Journal of the Iron and Steel Institute*, and of the Carnegie Scholarship Memoirs, issued during the eleven years, 1911–1921 inclusive. It is in direct continuation of the two previous Index volumes, published in 1901 and 1911, and the three volumes together now form a complete Name and Subject Index of the whole series of publications of the Institute from 1890 to the end of 1921.

In the Subject Index, forming the first part of the present volume, it has been attempted to group references to each main subject as far as possible under one general heading. As examples may be mentioned, "Analyses," "Heat Treatment," "Refractories," etc. Each special subject is again entered under its individual name in alphabetical order, with a cross reference to the general heading under which it has been grouped.

It will be noticed that under the heading "Coal Mining" no references occur of later date than 1916. As this subject is somewhat outside the scope of the Institute, it was thought, on grounds of economy, that abstracts of papers and articles dealing with coal mining, which for many years had formed a section of the Abstracts under the general heading of "Fuel" in the Journal, might without particular disadvantage be discontinued. The publication of statistical tables in the Journal also ceased in 1915.

References to the geographical distribution of minerals and to the industries in the new Succession States, from 1919 onwards, will be found under the names of those States. Information on those particular occurrences or industries prior to 1919 must, of course, be sought under the names of the

States of which the respective Succession States formerly formed a part.

The Name Index forms the second part of the volume, and every effort has been made to render it as complete as possible. In a work of this magnitude it is inevitable that, in spite of the greatest care, some inaccuracies or omissions may have escaped attention, and it is hoped that users of the Index who may observe that a name has been omitted or misspelt, or that a mistake has been made in the attribution of the authorship of any article, will draw attention to such errors.

In conclusion, a tribute is due to Mr. Elsdon, Librarian of the Institute, who compiled the Index, and has laboured unremittingly to perfect it as far as possible, and to produce a work which it is hoped will increase the value of the Journal, and facilitate reference to the vast store of information contained in its pages.

*March, 1923.*

G. C. LLOYD,  
*Secretary.*

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OF THE  
IRON AND STEEL INSTITUTE

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SUBJECT INDEX TO

VOLUMES LXXXIII TO CIV

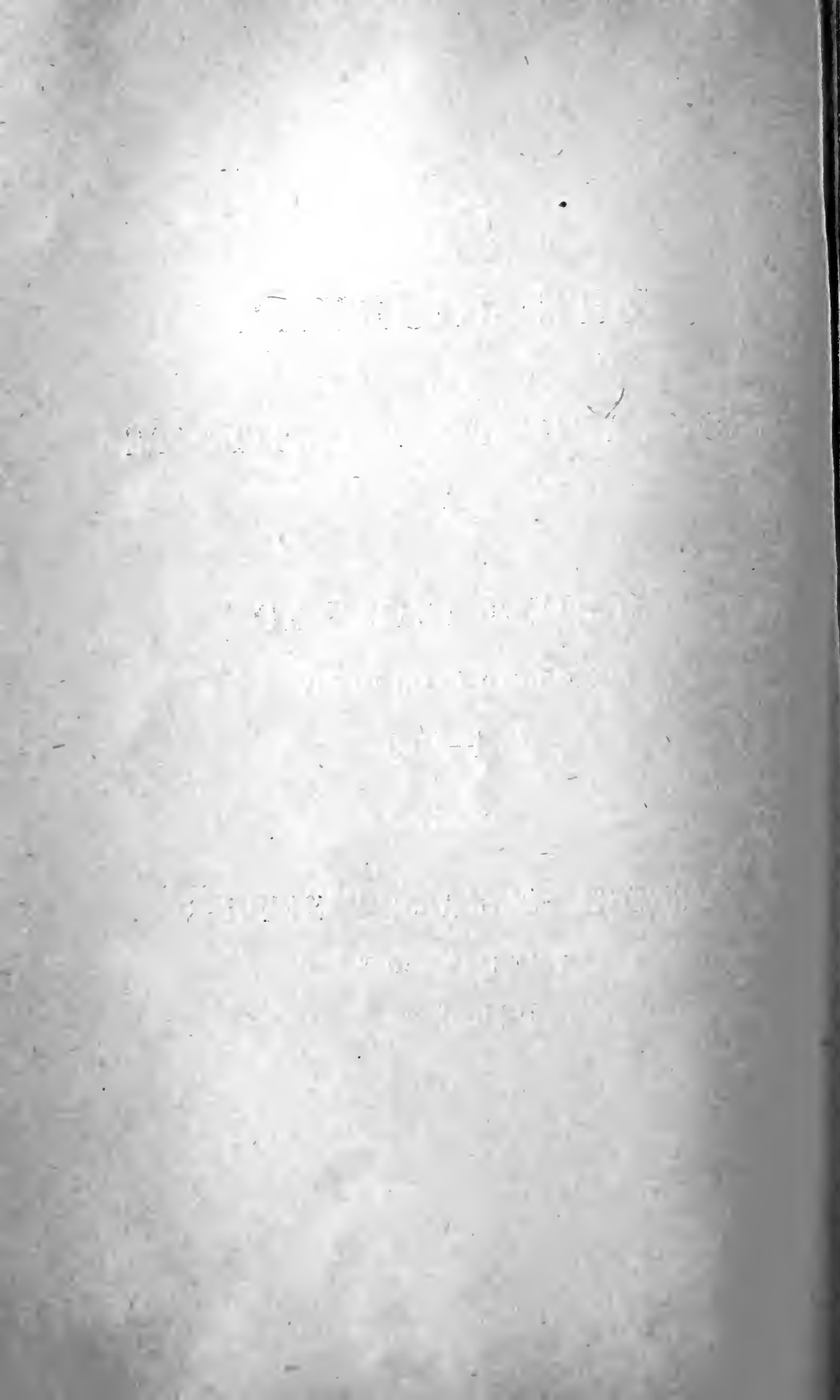
1911—1921

AND TO

CARNEGIE SCHOLARSHIP MEMOIRS

VOLUMES III TO X

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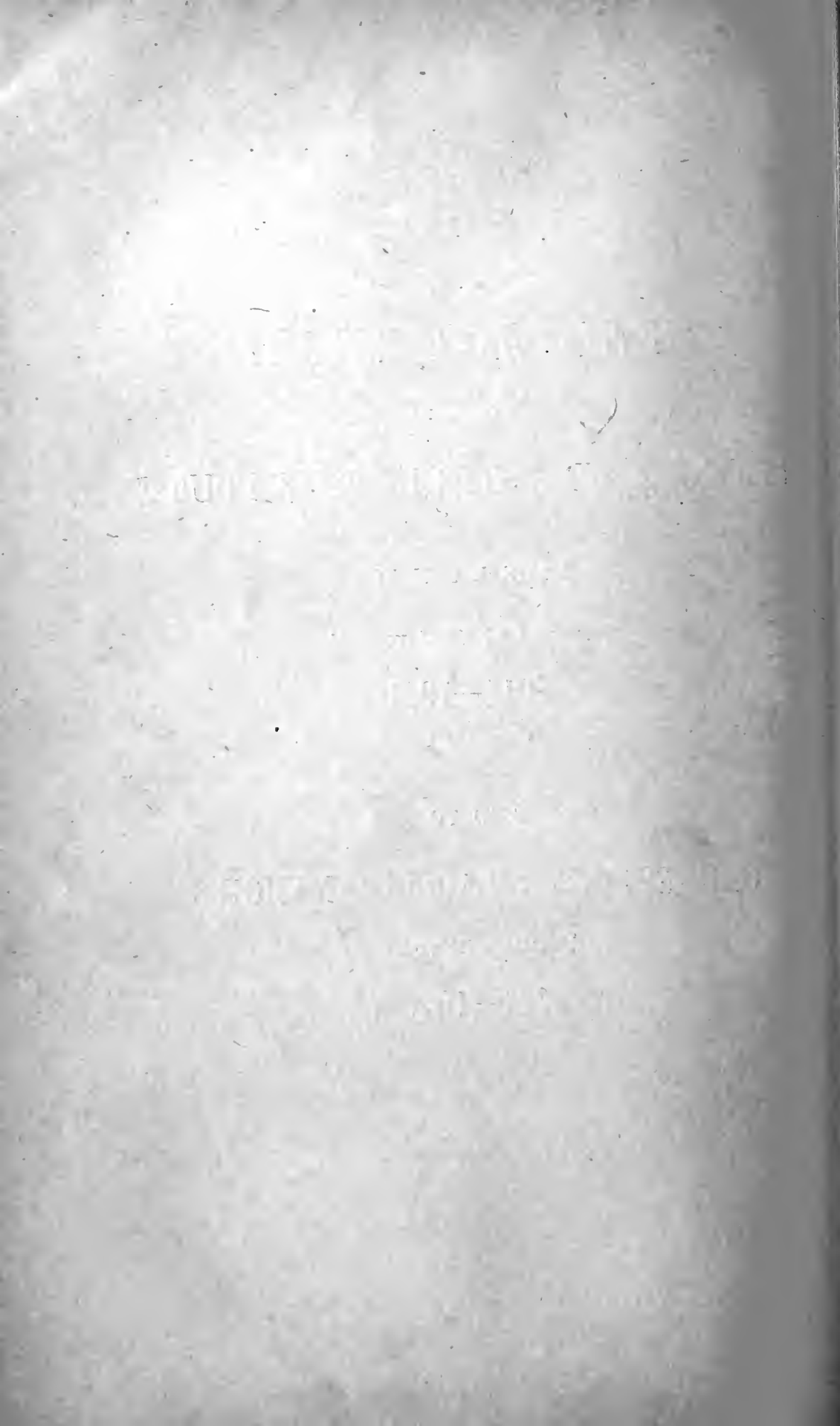
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CLARK, EDWIN KITSON, elected member. 1918, ii. 2.

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- CLAUDET, H. H., on molybdenite in Norway. 1917, i. 286.
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- CLAXTON, CHARLES WILLIAM, elected member. 1920, ii. 3.
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- CLEGG, R. I., on cold drawing of Bessemer steel. 1919, ii. 519.
- CLELAND, W., on testing cast iron. 1911, i. 645.
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- CLIVE, R., on practice and cost of stone-dusting. 1914, i. 629.
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- CLOUGH, C. T., on coal in Scotland. 1920, i. 692.
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- CLOUP, F., on heating curves of quenched and cold-worked carbon steels. 1918, ii. 501.
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- REAY, T. P., obituary notice of. 1912, i. 417.
- REBUFFAT, O., on Dinas bricks. 1921, ii. 341.
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- REDPATH, WILLIAM**, elected member. 1920, i. 5.
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- TATE, S., on electricity in mines. 1911, i. 566.  
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- TATE, T. R., on waste-heat boilers. 1921, i. 398.
- TATHAM, T., obituary notice of. 1911, i. 500.
- TAUDEVIN, E. P., on the use of town-gas as furnace fuel. 1917, ii. 381.  
elected member. 1917, ii. 5.
- TAUSSIG, J. H., on refractory problems. 1920, i. 678.
- TAVANTI, G., on case-hardening. 1911, i. 629 ; ii. 594.  
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*See* HONDA, K.  
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- TAYLOR, C. P., on iron ore in New York. 1913, i. 514.
- TAYLOR, G., on recovery and rectification of benzine. 1916, i. 314.
- TAYLOR, GEORGE—  
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- TAYLOR, G. B., on apparatus for analyses of complex gas mixtures. 1915, i. 636.  
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- TAYLOR, H. N., on manufacture of drop-forging steel. 1916, ii. 436.
- TAYLOR, PHILIP STANLEY, elected member. 1918, ii. 4.
- TAYLOR, R. M., on steel for machine parts. 1921, i. 442.
- TAYLOR, S. A., on coal-cutting machines. 1914, i. 624.
- TAYLOR, T. S., on hot-wire anemometer. 1920, i. 685.
- TAYLOR, W. A., on prevention of underground fires. 1913, i. 575.
- TAYLOR, W. E., on electric driving of rolling-mills. 1921, i. 433.
- TAYLOR, W. W., on pyrites cinder in blast-furnaces. 1917, i. 339.
- TEASDALE, THOMAS BONNOR, elected member. 1919, i. 5.
- TEED, P. L., on estimation of moisture in coal. 1913, ii. 708.
- TEGENGREN, F. R., on occurrence of chromite in Sweden. 1913, ii. 509.
- TEICHMANN, H., on uses of petroleum. 1911, ii. 518.
- TEICHMULLER, J., on power from peat-gas. 1912, ii. 505.
- TELFER, W. H., on production and transmission of power in collieries. 1913, ii. 565.

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TERANO, S., on uses of petroleum. 1911, ii. 518.

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TERMAN, J. E., on deformation of welded drums. 1914, ii. 371.

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- THAYER, H. R., on causes of failure in engineering structures. 1913, ii. 664.
- THEARLE, SAMUEL JAMES POPE, obituary notice of. 1913, ii. 481.
- THEIN, H., on cleaning of blast-furnace gases. 1921, ii. 364.
- THEISEN, E., obituary notice of. 1911, i. 500.
- THEISEN, HANS EDUARD, elected member. 1912, i. 4.
- THELE, W., on chains for ships' anchors. 1912, i. 554.
- THEYS, ALFRED, elected member. 1911, ii. 11.
- THICKENS, DAVID, elected member. 1919, i. 5.
- THIEL, G., on microscopy of coal. 1914, i. 597.
- THIEL, O., on Bessemer steel plant and practice. 1917, ii. 405.
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- THIEME, H., on electric furnace in steel foundry practice. 1911, i. 624, ii. 564.  
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- THIESSEN, R., on microstructure of coal. 1914, ii. 288; 1921, i. 385.  
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- THIRY, G., on sanitation in iron-ore mines. 1913, ii. 517.
- THIRY, H., on manufacture of coke. 1914, i. 603.
- THOM, GEORGE, elected member. 1921, i. 5.
- THOMAS, on design of open-hearth furnaces. 1920, i. 714.
- THOMAS, A., on manufacture of ball-bearings. 1918, ii. 488.
- THOMAS, ALBERT, elected member. 1919, i. 5.
- THOMAS, ALFRED JOHN LESLIE, elected associate. 1919, i. 7.
- THOMAS, A. S., on manufacture of open-hearth steel. 1912, ii. 116.
- THOMAS, B. H., on electrolytic deposition of iron. 1920, i. 738, ii. 393.
- THOMAS, C., on special castings. 1917, ii. 400.
- THOMAS, C. C., on blast-furnace gas meters. 1911, ii. 544; 1912, i. 501.
- THOMAS, C. H., on electro-plating with cobalt. 1915, ii. 327.
- THOMAS, F., on methods of steel production. 1921, i. 419.
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- THOMAS, H. H., on refractory materials. 1920, ii. 316.  
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- THOMAS, HUBERT ALAN SPENCE, elected member. 1921, ii. 11.
- THOMAS, JOHN HENRY, elected member. 1911, i. 4.
- THOMAS, J. J., on hardness tests. 1914, ii. 369.  
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- THOMAS, K., on blue billy in United States. 1920, ii. 314.  
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- THOMAS, L., on continental foundries. 1911, i. 598.
- THOMAS, L. M., on heat-treatment of automobile axles. 1921, i. 437.
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on photomicrography. 1920, i. 757.

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THOMPSON, JOHN WILLIAM, elected member. 1911, i. 4.

- THOMPSON, M. DE K., on brittleness produced in steel springs by electro-plating. 1917, i. 402.  
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- THOMPSON, S. P., on steel for permanent magnets. 1913, ii. 679; 1915, i. 616.
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- THOMPSON, WILLIAM HERBERT, elected associate. 1917, i. 6.
- THOMSON, J. B., on signalling in collieries. 1917, i. 334.
- THOMSON, J. C., on corrosion of iron. 1911, i. 674; 1912, ii. 609.
- THOMSON, THOMAS, elected member. 1921, ii. 11.
- THOMSON, T. FRAME, obituary notice of. 1913, ii. 482.
- THONET, C., on gas-producers. 1911, i. 559.
- THONNART, on impregnating mine timber. 1915, i. 531.
- THORNE, C. A., on electric smelting of iron ore. 1913, i. 594.
- THORNE, J. L., on heat-treatment of tool steel. 1918, ii. 484; 1921, i. 441, ii. 390.  
 on manufacture of high-speed steel. 1919, i. 667.
- THORNEYCROFT, W., on consumption of fuel in iron and steel manufacture. 1920, i. 689.  
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- THORNTON, H. M., on heat-treating furnaces. 1920, ii. 371.  
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- THORNTON, W., on gases in mines. 1914, i. 632.
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- THORNTON, W. M., JUN., on estimation of titanium. 1912, ii. 625; 1914, ii. 395.  
 on separation of thorium from iron. 1916, ii. 468.  
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 on use of electricity in coal-mining. 1914, ii. 308.
- THORP, J., on by-product recovery. 1919, ii. 475.
- THORVALDSON, T., on atomic weights of metals. 1911, i. 670.
- THRASHER, G. M., on influence of natural chill on malleable castings. 1915, i. 596.
- THUM, E. E., on flakes in steel. 1919, ii. 523.  
 on hammer welding. 1921, ii. 392.  
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- THUNBLOM, A., on haulage of iron ore. 1912, i. 445.
- THURINGER, V., on estimation of palladium in iron. 1913, ii. 702.
- THURMAN, J. B., on gates for moulds. 1913, i. 611.
- THURSFIELD, F., on electric driving of rolling-mills. 1911, i. 610.  
 on winding equipment. 1911, i. 568.
- THURSTON, G. H., on low and high temperature carbonisation. 1921, i. 390.

- THWAITE, A. H., on moisture in coal. 1921, i. 386.
- THWAITES, F. T., on iron ore in Wisconsin. 1914, ii. 269.
- THWAITES, RICHARD ALAN STUART, elected member. 1918, i. 6.
- THWING, C. B., on measurement of temperature by electrical means. 1913, ii. 532, 533.  
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- TIDDEMAN, R. H., on coal in Wales. 1918, ii. 450.
- TIDESWELL, F. V., on constitution of coal. 1920, ii. 324.
- TIDMAN, C. F., on alcohol from coke-oven gas. 1921, i. 389.
- TIDSDALL, ALFRED DOUGLAS, elected member. 1911, i. 4.
- TIEMANN, HEINRICH, elected member. 1914, i. 4.
- TIEMANN, H. P., on changes produced in steel by annealing. 1914, ii. 358.  
elected member. 1912, i. 4.
- TILLSON, B. F., on heat-treatment of rock-drill steel. 1921, i. 442.  
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- TILSCHKERT, V., on armour plate manufacture. 1911, i. 640.
- TILT, E. B., on chilled car wheels. 1914, ii. 332.
- TILTON, A. M., on drop-forging. 1915, ii. 296.
- TIMMINS, A. C., on properties of cast iron. 1920, ii. 379.
- TIMMINS, ALBERT EDWARD, elected member. 1920, ii. 5.
- TIMMIS, G. H., on fireclay bricks. 1917, ii. 353.
- TINGBERG, O., on Ljungberg's system of charcoal burning. 1915, i. 513.
- TINSLEY, J. F., on heat-treatment of wire. 1914, ii. 356.
- TINSLEY, MATTHEW RALPH, elected member. 1919, i. 5.
- TISSIER, L., on carbonisation of wood. 1921, i. 386.
- TITUS, on deep boring. 1914, i. 580.
- TOCH, M., on protective coatings for iron and steel. 1915, ii. 326.
- TOFTS, CROZIER FULLERTON, elected member. 1914, i. 4.
- TOLADAY, R. E., on mineral statistics of Cuba. 1911, ii. 673.
- TOLMAN, C. F., on nickel ores of Sudbury. 1917, i. 287.  
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- TOLPUTT, HERBERT, elected member. 1913, ii. 5.
- TOMKINS, HENRY, obituary notice of. 1916, i. 276.
- TOMLINSON, NOEL LLEWELYN, elected member. 1920, ii. 5.
- TOMLINSON, T., on power from peat-gas. 1912, ii. 506.
- TOMLINSON, T. A., on manufacture of coal-gas. 1921, i. 395.
- TONAMY, C. H., on examination of castings by means of X-rays. 1915, ii. 272.
- TONE, F. J., on electric furnace products. 1916, ii. 430.  
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- TONGE, A. J., on explosions in collieries. 1911, i. 574.
- TONGE, J., on uses of the hydraulic mining cartridge. 1915, i. 535.
- TOOKEY, W. A., on gas-engines. 1914, i. 620.  
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- TORON, J., on fuel tests. 1914, i. 593.
- TOROSSIAN, G., on the reduction test for tungstic acid. 1915, i. 633.
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- TOUR, R. S., on gas analysis. 1921, i. 473.
- TOUZALIN, L. A., on safety appliances at blast-furnaces. 1921, i. 402.
- TOWL, F. M., on transport of petroleum. 1915, ii. 246.
- TOWNS, H. L., on welding. 1918, i. 529.
- TOWNSEND, C. D., on utilisation of waste heat from iron melting furnaces. 1918, i. 501.
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- TOY, F. L., on basic open-hearth process. 1921, i. 419.
- TOY, H. B., on electrically-driven rolling-mills. 1913, i. 87.  
 on rolling-mill practice. 1917, ii. 299.  
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- TOY, SIDNEY VICTOR, elected member. 1920, i. 6.
- TOZER, WILLIAM, JUN., elected member. 1920, ii. 5.
- TRABOLD, F. W., on use of drop-forgings for motor-car parts. 1913, i. 648.
- TRACEY, B. C., on arc welding. 1921, ii. 394.
- TRAER, G. W., on low temperature carbonisation of coal. 1919, i. 641.
- TRASenster, E., on Belgian iron industry. 1920, ii. 361.  
 elected member. 1921, ii. 11.
- TRASenster, G.—  
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- TRASenster, P., on world's resources of iron ore. 1911, i. 704.
- TRAUTMANN, W., on analysis of bauxites. 1914, i. 748.  
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- TRAUTSCHOLD, R., on gas-producers. 1913, i. 563, ii. 558.  
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 on specifications for shell steel. 1917, ii. 440.  
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- TRAVERS, A., on estimation of phosphorus. 1919, ii. 537.  
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- TRAVERS, H., on estimation of manganese and chromium. 1917, ii. 464.
- TRAVERS, M. W., on tensile strength of refractories. 1921, i. 378.
- TRAVIS, HENRY EDWARD, elected member. 1921, i. 5.
- TREGONING, WILLIAM EDWARD CECIL, elected member. 1918, ii. 4.
- TREILLON, M., on ventilation in collieries. 1911, ii. 532.
- TREISCHER, C., on enamelling steel. 1919, i. 681.
- TRENKLER, H. R., on carbocite. 1921, ii. 353.

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- TRENTZL, A., on petroleum in Russia. 1912, ii. 495.
- TREUHEIT, J., on foundry costs. 1916, i. 343.  
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- TREVELYAN, FREEMAN, elected member. 1915, i. 2.
- TREVOR, T. G., on manganese ore in South Africa. 1919, ii. 461.  
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- TRILLAT, A., on manufacture of ferro-cerium. 1919, i. 668.
- TRIMLETT, HENRY J., elected member. 1917, i. 4.
- TRINKS, W., on air-pressure in Bessemer converters. 1917, ii. 405.  
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on rope drives for rolling-mills. 1911, ii. 578.  
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- TRIPPIER, on use of steel turnings in blast-furnace. 1919, ii. 483.
- TRIPLETT, W. H., on mechanical properties of ternary steels. 1913, i. 674.
- TRIPP, G., on manganese steel for heavy rolling-mill equipment. 1915, ii. 290.
- TRIS, P. C., on tests of welded bars. 1920, i. 744.
- TROELLER, on Dwight-Lloyd briquetting process. 1914, i. 586.
- TROOD, S., on heat-treatment of die-blocks. 1921, ii. 387.  
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- TROPENAS, ALEXANDRE, obituary notice of. 1915, ii. 206.
- TROPSCH, H., on composition of tars. 1921, ii. 354.
- TROTT, THOMAS, elected member. 1914, ii. xx.
- TROUBINE, K., on blowholes in steel ingots. 1912, i. 559.
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- WALBRECKER, W., on shaft sinking. 1911, i. 564.
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- WALDRON, F. A., on munitions contracts and their financing. 1917, ii. 428.
- WALES, H. E., on specific heat of Californian petroleum. 1914, ii. 301.
- WALES, ROBERT JAMES, elected member. 1912, ii. 7.
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- WALKER, C. R., on basic slag works at Nova Scotia. 1912, ii. 559.
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- WALKER, G. BLAKE, on by-product coke-oven practice. 1918, i. 482.  
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- WALKER, G. F., on equipment of collieries. 1913, ii. 565.  
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- WALKER, JOHN ELDER, elected member. 1916, ii. 2.
- WALKER, L. V., on laboratory furnaces 1912, ii. 616.  
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- WALLACE, (MISS) JANET ADAM, elected member. 1920, i., 6.
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- WALTON, JOHN SPILMAN, elected associate. 1920, i. 7.
- WALTON, T., on methods of working coal-mines. 1913, i. 572.
- WALTON, WILLIAM HENRI DUFOUR, elected member. 1920, i. 6.
- WANAMAKER, E., on welding. 1918, ii. 486.
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- WARREN, H. M., on preparation of anthracite coal. 1916, i. 327.
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- WEBB, J. J., on small steel ingots. 1920, ii. 364.
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- WEEKS, H. B., on preservation of iron. 1920, i. 759.
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- WEISGERBER, F., on annealing of steel castings. 1921, i. 440.
- WEISKOPF, A., on briquetting of iron ores and flue-dust. 1912, ii. 465; 1913, i. 525.
- WEISS, F. E., on formation of coal. 1911, ii. 506.
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- WEISS, J. G., on case-hardening of shafting. 1914, i. 689.
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- WEISS, P., on magnetic properties of nickel and cobalt alloys. 1912, ii. 382, 599.  
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- WEITZENKORN, JOSEPH W., elected member. 1915, i. 2.
- WELCH, J. D., on shaft sinking in collieries. 1913, i. 568.
- WELD, C. M., on iron ore in China. 1913, i. 508 ; 1914, i. 573.  
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- WELLMAN, S. T., on history of Bessemer process. 1913, i. 630.  
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- WELLS, A. A., on manufacture of gasoline from petroleum. 1916, i. 319.
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- WENDELL, G. V., on pyrometry. 1920, i. 688.
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- WENNMAN, A., on estimation of sulphur and carbon. 1912, i. 604.
- WENTWORTH, F. H., on foundry fires. 1917, i. 359.
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- WENTZ, J. A., on mine surveying. 1912, i. 491.
- WEFFER, G. W., on tungsten deposits of Bolivia. 1914, ii. 273.
- WERCKMEISTER, C., on rolling-mills for axles. 1912, ii. 571.
- WERNER, A., on linear expansion of metals. 1913, ii. 650.
- WERNER, S. W., on defects in steel ingots. 1918, ii. 478.
- WERNICKE, F., on firebricks. 1913, i. 527 ; 1920, i. 683.
- WESCOTT, G. F., on rust-proof coating. 1917, i. 418.
- WESSELMANN, J., on composition of blast-furnace gases in relation to furnace working. 1914, ii. 320.
- WESSON, C. M., on steel castings for ordnance construction. 1918, i. 504.
- WESSON, WILLIAM, elected member. 1920, ii. 6.

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- WEST, C. J., on electric furnace practice. 1920, i. 718.
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- WEST, GEORGE PHILIP, elected member. 1921, i. 5.
- WEST, J., on distillation of coal. 1918, i. 484.  
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- WHEELWRIGHT, THOMAS STEWART, elected member. 1911, i. 4.
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- WHINERY, S., on iron ore in Tennessee and Kentucky. 1913, i. 514.
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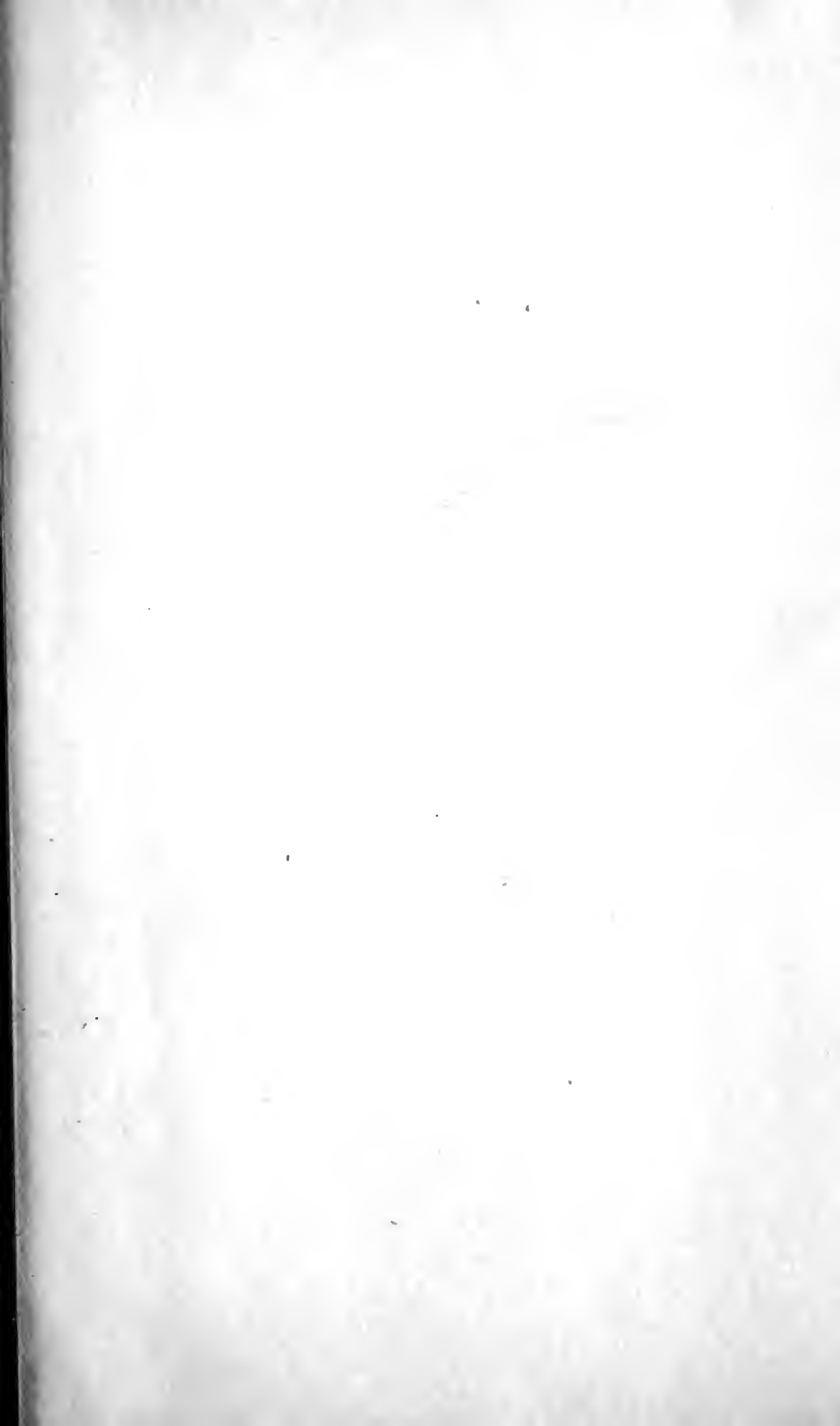
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